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ABSTRACT

Conformational antigens and antibodies recognizing said antigens, a process for the efficient generation of monoclonal antibodies to native or conformational antigens expressed or carried by eukaryotic cells. A process for the selection of conformational antigens, use of monoclonal antibodies for therapeutical, diagnostic or vaccine applications.

The process for preparing monoclonal antibodies, comprises:

rendering an animal tolerant to an eukaryotic cell in a first state;

detecting said tolerant animal;

immunizing said tolerant animal, by injection of the eukaryotic cell in a second state

carrying a neo-antigen or a non-self antigen;

fusing B cells of said immunized mice with a myeloma cell line; and

selecting the hybridoma expressing antibodies against said neo-antigen or non-self antigen.

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